

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Australia. Commonwealth bureau of meteorology.

Rain map of Australia [and Tasmania] for the years 1916-1917. [Melbourne. 1918.] 2 maps. 1916: 72 $\frac{1}{2}$ x 56 cm.; 1917: 63 $\frac{1}{2}$ x 51 cm.

[British Guiana. Department of science and agriculture.]

Report on meteorology for the calendar year 1916. [Georgetown. 1918.] 45 p. incl. tables. 33 $\frac{1}{2}$ cm. Appendix 7.

Connor, A. J.

Agricultural meteorology. Relation of the weather to the yield of wheat in Manitoba. Ottawa. 1918. 11 p. incl. chart. tables. 15 cm. At head of title: Department of trade and commerce, Canada. Dominion bureau of statistics, Ottawa. (Reprinted from the Monthly bulletin of agricultural statistics, April, 1918.)

Denmark. Meteorologiske institut.

Nautisk meteorologisk aarbog. Nautical meteorological annual, 1917. Kjøbenhavn. 1918. lviii, 134 [4] p. map. charts. tables. 31 cm. At head of title: Publikationer fra det Danske meteorologiske institut, ved. C. Ryder, direktør. Aarbøger.

Fowle, Frederick E[eugene].

The atmospheric scattering of light. Washington. 1918. p. 1., 12 p. incl. charts. tables. 24 $\frac{1}{2}$ cm. Smithsonian miscellaneous collections, v. 69, no. 3. (Publication 2495.)

Great Britain. Meteorological office.

The seaman's handbook of meteorology. A companion to the barometer manual for the use of seamen. Third edition. London. 1918. xxxviii, 202 p. illus. plate. maps (part. fold.) charts (part. fold.) tables. 24 $\frac{1}{2}$ cm. M. O. 215 (1917).

Great Britain. Meteorological office. Advisory committee on atmospheric pollution.

Report on observations in the year 1915-1917 forming the second-third report of the committee for the investigation of atmospheric pollution. London. 1916-[1918]. 2 v. maps. tables. charts. 28 $\frac{1}{2}$ cm.

Hall, A[lfred] D[aniel].

The book of the Rothamsted experiments. Second edition; rev. by E. J. Russell . . . New York. 1917. xl, 332 p. incl. charts. tables. 25 $\frac{1}{2}$ cm. [Meteorological observations, p. 15-23.]

Jensen. Meteorological observatory.

Annual report of the Meteorological observatory of the Government-general of Chosen for the year 1916. Jensen. 1918. p. 1., 144 p., l. fold. map. tables. 30 $\frac{1}{2}$ cm.

Lamb, Edmund.

Climatological observations, taken at Borden Wood, in the Parish of Chithurst, County of Sussex, during the year 1917 . . . Liphook, Hants. 1918. [4] p. incl. tables. 26 $\frac{1}{2}$ x 33 cm.

Moore, Henry Ludwell.

Forecasting the yield and the price of cotton. New York. 1917. vi, [1] 173 p. incl. charts. tables. 22 $\frac{1}{2}$ cm. [Deals with the correlation between crops and weather.]

Mosier, Jeremiah G[eorge].

Climate of Illinois. Urbana, Ill. 1918. 125 p. incl. maps. charts. tables. 23 cm. At head of title: University of Illinois. Agricultural experiment station. Bulletin no. 208.

Ofia. Colegio máximo de la Compañía de Jesús.

Observaciones meteorológicas hechas [año 1917] en el Colegio máximo de la Compañía de Jesús en Ofia, Provincia de Burgos. Ofia. 1918. unp. tables. 24 cm.

Pealing, H.

On the effect of vegetation on the rainfall of South Africa. (Excerpted from South African journal of science, Cape Town. v. 14, no. 3. Oct. 1917. p. [142]-145.) 24 $\frac{1}{2}$ cm.

Rio de Janeiro. Observatorio nacional.

Anuario . . . Para o anno de 1918. Anno 34. Rio de Janeiro, 1918. vii, 524 p. fold. chart. tables. 18 $\frac{1}{2}$ cm. At head of title: Ministerio da agricultura, industria e commercio. [Meteorology; p. 269-437.]

Spain. Observatorio central meteorológico.

Anuario. Suplemento al tomo 2. Madrid. [1918] p. 1., 179 p., 2 l. 3 fold. charts. tables. 32 cm. At head of title: Dirección general del instituto geográfico y estadístico . . . Resumen de las observaciones efectuadas en las estaciones del Servicio meteorológico español durante el año 1915 . . . v. 11. Madrid. 1917. ci, 1., 555 [2] p. fold. map. tables. 24 cm. At head of title: Dirección general del instituto geográfico y estadístico . . .

Toronto observatory.

Results of meteorological, magnetical, and seismological observations, 1917 . . . Toronto. 1918. ix, 43 p. tables. 20 cm. At head of title: Department of marine and fisheries. Dominion of Canada.

Uruguay. Instituto nacional físico climatológico.

Sinopsis meteorológica del año 1916, por Luis Morandi, director. Montevideo. 1917. cover-title. 29 p. illus. charts. tables. 29 cm. At head of title: Instituto nacional físico climatológico. Observatorio central.-Prado-Montevideo.

Vinall, H[arry] N.

Effect of temperature and other meteorological factors on the growth of sorghums, by H. N. Vinall and H. R. Reed. Washington. 1918. cover-title. plate. tables. 26cm. (Reprinted from Journal of agricultural research, Wash. v. 13, no. 2. April 8, 1918. p. 133-147.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Geographical journal. London. v. 51. May, 1918.

Can the climate of Kalahari be improved? p. 337.

Geographical review. New York. v. 5. 1918.

Brooks, Charles F. The "old-fashioned winter of 1917-18. p. 405-414. (May.)

Huntington, Ellsworth. The sun and the weather: new light on their relation. p. 483-491. (June.)

Jefferson, Mark. The rainfall of Java. p. 492-495. (June.)

Nature. London. v. 101. May 30, 1918.

Clouds at the royal academy. p. 244-245. [See this REVIEW, p. 235.]

Climatology and an abandoned flying school. p. 247-248. [Cites an example of the disastrous financial results of the neglect of climatology.] (See above, p. 210.)

- Royal society. Proceedings. London. ser. A. v. 94. A 662. 1918.*
 Strutt, R. J. Scattering of light by dust-free air, with artificial reproduction of the blue sky. Preliminary note. p. 453-459.
 S., A., & W., G. W. Prince Boris Galitzin (1872-1916). p. xxv-xxxii. Obituary.
- Science. New York. v. 47. June 7, 1918.*
 Brooks, Charles F. The "old-fashioned" winter of 1917-18. p. 565-566.
- Scientific American supplement. New York. v. 85. 1918.*
 Palmer, W. C. Tree planting to control snow and wind. Protection for the farmer and the railroad. p. 356-357. (June 8.)
 Abbot, C. G., & Aldrich, L. B. The pyranometer. An instrument for measuring sky radiation. p. 364-365. (June 8.) [Rept. Smiths. Misc. Coll.]
 Hucks, B. C. Danger in flying through clouds. p. 375. (June 15.) Abstract from a paper before the Aeronautical Society of Great Britain.
 Illusions of the atmosphere and the traveling vortex. p. 403. (June 29.) [Abstract of lecture by Sir N. Shaw.]
- Scientific monthly. New York. v. 7. July, 1918.*
 Ward, Robert DeCourcey. Weather control over the fighting during the spring of 1918. p. 24-33.
- Académie des sciences. Comptes rendus. Paris. Tome 166. 1918.*
 Perrotin, H. Sur la propagation de la chaleur dans les couches basses de l'atmosphère. p. 742-744. (6 mai.)
 Yelénko, Mihailovitch. Résultats des études sur le tremblement de terre d'août et de septembre 1912 sur la mer de Marmara. p. 784-786. (13 mai.)
- Astronomie. Paris. 32 année. Mai 1918.*
 Störmer, Carl. La théorie corpusculaire des aurores boréales. p. 153-162.
 Hivers comparés depuis 45 ans. 176-177.
- Revue du ciel. Bourges. 3 année. Juin 1918.*
 Moreux, Th[éophile]. Comment prévoir la pluie? p. 395-397.
 Cassano, J. Les murailles météorologiques. p. 401-402.
- Hemel en dampkering. Den Haag. 15 jaarg. Februari 1918.*
 Everdingen, E. van. Een feestdag voor halo-waarnemers. p. 155-158.